

Recombinant Human P2RX4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. P2RX4-3802H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	P2RX4 MS Standard C13 and N15-labeled recombinant protein (NP_002551) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel with high calcium permeability. The main pharmacological distinction between the members of the purinoceptor family is the relative sensitivity to the antagonists suramin and PPADS. The product of this gene has the lowest sensitivity for these antagonists. Multiple alternatively spliced transcript variants, some protein-coding and some not protein-coding, have been found for this gene.
Molecular Mass	43.3 kDa
AA Sequence	MAGCCAALAAFLFEYDTPRIVLIRSRKVGLMNRAVQLLILAYVIGWVFWWEKGYQET DSVSSVTTKVKGVAVTNTSKLGFRIWDVADYVIPAQEENSLFVMTNVILTMNQQTQG LCPEIPDATTVCCKSDASCTAGSAGTHSNGVSTGRCVAFNGSVKTCVAAWCPVED DTHVPQPAFLKAAENFTLLVKNNIWYPKFNFNFSKRNLNPNITTTYLKSCIYDAKTDPFCPI FRLGKIVENAGHGFQDMAVEGGIMGIQVNWDCNLDRAASLCLPRYSFRRLDTRDVE HNVSPGYNFRFAKYRDLAGNEQRTLIKAYGIRFDIIVFGKAGKFDIIPMTMINIGSGLAL

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LGMATVLCDIIVLYCMKKRLYYREKKYKYVEDYEQGLASELDQTRTRPLEQKLISEED
LAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	P2RX4 purinergic receptor P2X 4 [Homo sapiens (human)]
Official Symbol	P2RX4
Synonyms	P2RX4; purinergic receptor P2X, ligand-gated ion channel, 4; P2X purinoceptor 4; P2X4; ATP receptor; purinoceptor P2X4; P2X receptor, subunit 4; purinergic receptor P2X4; ATP-gated cation channel protein; P2X4R;
Gene ID	5025
mRNA Refseq	NM_002560
Protein Refseq	NP_002551
MIM	600846

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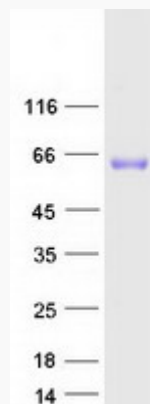
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UniProt ID

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SDS-PAGE

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